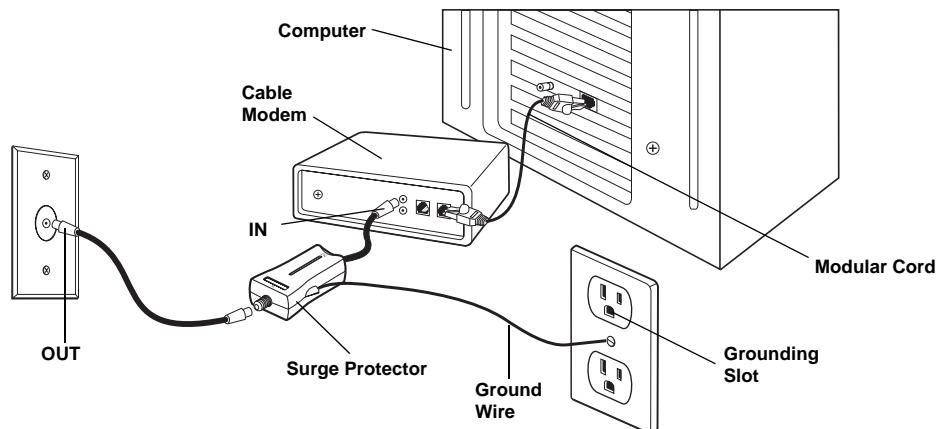


Cable Modem Surge Protector

OWNER'S MANUAL — Please read before using this equipment.

Your RadioShack Cable Modem Surge Protector is the ideal tool for protecting your cable modem against surges, such as electrostatic discharge and ground surge.

INSTALLATION



Warnings:

- Never install the surge protector in a lightning storm.
- If your home does not have a three-conductor wire configuration (hot, neutral, and ground), then attaching your surge protector to an AC outlet will not provide proper ground protection. Attach the ground wire to the back of your computer.

1. Turn off your computer. Then turn off your cable modem's power.
2. Disconnect the data cable from your cable modem and connect it to the surge protector's **IN** F connector.
3. Connect the surge protector's **OUT** F connector to your cable modem.
4. Use a screwdriver to loosen the screw on a nearby grounded AC outlet wall cover and slide the end of the surge protector's ground wire onto the screw then tighten the screw.

Caution: Do not attach the ground wire to an AC outlet that does not have a grounding slot because the surge protector will not be properly grounded.

5. Follow the instructions supplied with the modem for connection to your computer.

CARE

Keep the surge protector dry; if it gets wet, wipe it dry immediately. Use and store the surge protector only in normal temperature environments. Handle the surge protector carefully; do not drop it. Keep the surge protector away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

Modifying or tampering with the surge protector's internal components can cause a malfunction and might invalidate its warranty. If your surge protector is not performing as it should, take it to your local RadioShack store for assistance. If the trouble is affecting the telephone lines, the phone company can ask you to disconnect your surge protector until you have resolved the problem.

SPECIFICATIONS

| | |
|--------------------------|---------------------------------|
| Housing Material | Plastic |
| Connectors | |
| In | F Jack |
| Out | Pigtail with F Connector |
| Protection Pin | Signal Line, Signal-Ground |
| DownStream | |
| Frequency Range | 42 MHz–850 MHz |
| Insertion Loss | < –1dB |
| UpStream | |
| Frequency Range | 5 MHz–42 MHz |
| Insertion Loss | < – 0.5dB |
| Max. Surge Current | 10 kA (8 × 20 μS) |
| Surge Life | 500A (10 × 100 μS, 500 Shut) |
| Breakdown Voltage | 60–90V |
| Capacitor | < 5 pF |
| Response Time | <100 nS |

WARNING: To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.



CAUTION

RISK OF ELECTRIC SHOCK.
DO NOT OPEN.



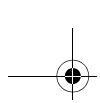
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.



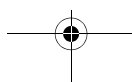
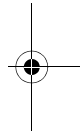
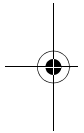
This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.



This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.



NOTES



LIMITED FIVE-YEAR WARRANTY AND CONNECTED EQUIPMENT GUARANTEE

LIMITED WARRANTY — This surge protector product is warranted by RadioShack to the original purchaser against manufacturing defects in material and workmanship under normal use for five (5) years from the date of purchase (the "Warranty Period") from RadioShack company owned stores and authorized RadioShack franchisees and dealers. In the event of a covered product defect during the Warranty Period, RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by surge protector repair without charge for parts and labor; (b) replace the surge protector with one of the same or similar design; or (c) refund the purchase price of the surge protector.

CONNECTED EQUIPMENT GUARANTEE — RadioShack warrants to the original purchaser of the surge protector that if any electronic equipment (the "Connected Equipment"), which is properly installed and connected (as defined below) to the surge protector and is damaged during the Warranty Period by a transient voltage surge/spike from the AC power line, telephone line or coaxial line that enters the Connected Equipment through the surge protector, RadioShack will reimburse to the original purchaser of the surge protector the lower of the: (a) Connected Equipment repair charges; (b) purchase price of equipment comparable (as determined by RadioShack) to the Connected Equipment; or (c) original purchase price of the Connected Equipment, up to a maximum of twenty-five thousand U.S. dollars (\$25,000.00) (the "Equipment Limit"). The Connected Equipment Guarantee does not cover data loss or any other damages excluded in the all capitalized paragraph below. In order to qualify for Connected Equipment reimbursement, the surge protector must be returned to RadioShack and inspection of the surge protector must show its protection capacity was exhausted by a surge. "Properly installed and connected" means the surge protector must be plugged directly into a properly wired and grounded AC outlet; no extension cords, adapters, other ground wires or electrical connections may be used to connect the surge protector to AC power. The wiring in the building must comply with all applicable codes (NEC, CSA, etc.), and all wires (power, telephone and coaxial) leading into the Connected Equipment must pass through the surge protector. To claim damage to Connected Equipment as a result of telephone line transients, the surge protector must provide telephone line protection, and your telephone service equipment must include a properly installed and operating "primary protection" device at the service entrance. Primary protection devices are normally available from the telephone company and added during telephone line installation. To claim damage to Connected Equipment as a result of coaxial line transients, the surge protector must provide coaxial line protection.

This Limited Warranty and Connected Equipment Guarantee applies only to the original purchaser of the surge protector.

EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS LIMITED WARRANTY OR CONNECTED EQUIPMENT GUARANTEE, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

To make a claim for surge-induced damage to Connected Equipment, you must:

1. Call RadioShack at 1-888-353-1560 for a return authorization number during the Warranty Period. Under no circumstances will a claim for surge-induced damage to Connected Equipment be accepted without a return authorization number;
2. Have any surge-induced, damaged Connected Equipment repaired (or get an estimate for repair) by a service center authorized by the manufacturer of the Connected Equipment unless the service center determines that the Connected Equipment is not repairable or that the cost of repair will be more than the purchase price of comparable replacement equipment. If the Connected Equipment is not to be repaired, get a written quotation for the purchase price of comparable replacement equipment. In no event will RadioShack reimburse more than the Equipment Limit. The repair bill or estimate from the authorized service center must indicate that the damage to the Connected Equipment was surge-induced; and
3. Ship the original surge protector, postage prepaid to: RadioShack, 5673 Gibraltar Drive, Suite 150, Pleasanton, CA 94588. Include: (a) your name, address and daytime telephone number; (b) the original or a photocopy of the sales receipt for the surge protector; (c) a brief description of any problem with the surge protector; (d) a brief description of how the damage to the Connected Equipment occurred; (e) the original authorized service center repair bill or estimate documenting that the damage to the Connected Equipment was surge-induced; and (f) if replacement equipment is to be purchased, the original or a photocopy of the quotation for comparable replacement equipment and the authorized service center repair estimate must contain a statement that the Connected Equipment is not repairable or that the cost of repair will be more than the purchase price of comparable replacement equipment.

If RadioShack determines that damage to Connected Equipment is covered, RadioShack will reimburse, up to the Equipment Limit amount defined above, to the original purchaser of the surge protector the lower of the: (a) repair charges; (b) purchase price of comparable replacement equipment; or (c) the original purchase price of the Connected Equipment. In addition, in the event of a covered product defect during the Warranty Period, RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by surge protector repair without charge for parts and labor; (b) replace the surge protector with one of the same or similar design; or (c) refund the purchase price of the surge protector.

To make a warranty claim for a defect in the surge protector without a claim for surge-induced damage to Connected Equipment, you must, during the Warranty Period, take the surge protector and the RadioShack sales receipt as proof of purchase date to any RadioShack store.

All replaced parts, products, and Connected Equipment and products and Connected Equipment on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts in surge protectors and replacement surge protectors are warranted for the remainder of the Warranty Period. You will be charged for repair or replacement of the product made after the expiration of the Warranty Period.

This Limited Warranty and Connected Equipment Guarantee does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning; (b) any repairs other than: (i) surge protector repairs provided by a RadioShack Authorized Service Facility; and (ii) reimbursement of the cost of initial repairs to Connected Equipment performed by a service center authorized by the manufacturer of the Connected Equipment; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product or Connected Equipment removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, 200 Taylor Street, Sixth Floor, Fort Worth, Texas 76102

We Service What We Sell

08/00

RadioShack Corporation
Fort Worth, Texas 76102

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